

21Feb02

Thu

# Duke Power Release Requirements

|  |   |                 |                          |                         | 21Feb02<br>Thu | RULE<br>CURVE | RULE<br>CURVE | 21-Feb  | %<br>AVAIL | %<br>STORAGE |
|--|---|-----------------|--------------------------|-------------------------|----------------|---------------|---------------|---------|------------|--------------|
|  | CURRENT<br>ELEV.  | CURRENT<br>VOL. | DEAD<br>STORAGE<br>ELEV. | DEAD<br>STORAGE<br>VOL. | ELEV.          | VOL.          | STORAGE       | STORAGE | STORAGE    | DEPLETED     |
| JOCASSEE                                     | 1096.90   | 1063.4          | 1086.0                   | 985.9                   | 1107.4         | 1140.8        | 154.9         | 77.5    | 50%        | 50%          |
| KEOWEE                                       | 793.90  | 847.9           | 778.0                    | 604.5                   | 797.2          | 905.6         | 301.1         | 243.4   | 81%        | 19%          |
| HARTWELL                                     | 648.65  | 1975.2          | 625.0                    | 1134.1                  | 657.87         | 2434.4        | 1300.3        | 841.1   | 65%        | 35%          |
| THURMOND                                     | 318.55  | 1787.2          | 312.0                    | 1465.0                  | 327.70         | 2349.0        | 884.0         | 322.2   | 36%        | 64%          |
| CURRENT                                      |   |                 |                          |                         |                |               |               |         |            |              |
| HARTWELL & THURMOND PERCENT ACTUAL STORAGE   | $53.26\% = (841.1 + 322.2) / (1300.3 + 884.0)$            |                 |                          |                         |                |               |               |         |            |              |
| JOCASSEE & KEOWEE PERCENT ACTUAL STORAGE     | $70.38\% = (77.5 + 243.4) / (154.9 + 301.1)$              |                 |                          |                         |                |               |               |         |            |              |
| VOLUME RESERVED FOR PUMPING AC-FT            | 41000 in contract   |                 |                          |                         |                |               |               |         |            |              |
| ASSUMED INFLOW TO DUKE AC-FT                 | 5000 in contract  |                 |                          |                         |                |               |               |         |            |              |
| DUKE % WITH PUMPING & INFLOW as per CONTRACT | $80.46\% = (77.5 + 243.4 + 41.0 + 5.0) / (154.9 + 301.1)$ |                 |                          |                         |                |               |               |         |            |              |
| PERCENT REQUIRED RELEASE                     | $27.21\% = 80.46\% - 53.26\%$                             |                 |                          |                         |                |               |               |         |            |              |
| TOTAL COMPUTED REQUIRED RELEASE, ACRE-FT     | $124052 = (27.21\% * (154.9 + 301.1) * 1000)$             |                 |                          |                         |                |               |               |         |            |              |
| MAXIMUM WEEKLY REQUIRED RELEASE              | 25000 ACRE-FT   |                 |                          |                         |                |               |               |         |            |              |
| REQUIRED RELEASE                             | 25000 ACRE-FT   |                 |                          |                         |                |               |               |         |            |              |
| ESTIMATED DAILY AVERAGE FLOW                 | 1801 CFS  |                 |                          |                         |                |               |               |         |            |              |

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